

# George G. Vega Yon

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## Educación

**Ph.D. in Biostatistics (Estadística Computacional)** University of Southern California (2020). Tesis *"Essays on Bioinformatics and Social Network Analysis: Statistical and Computational Methods for Complex Systems"*  
**M.Sc. in Social Sciences (Economía)** California Institute of Technology (2016)  
**Magister en Economía y Políticas Públicas**, Universidad Adolfo Ibáñez (2011)  
**Ingeniería Comercial**, Universidad Adolfo Ibáñez (2010)

## Experiencia Profesional

**University of Southern California, EE.UU., 2015–presente** Department of Preventive Medicine *Research Programmer II*. Staff académico senior, mis responsabilidades incluyen: Soporte técnico en estadística computacional, ej., HPC, capacitar en temas de desarrollo de software científico y realizar investigación científica. Desde Agosto del 2020 soy co-instructor del curso "Introduction to Data Science" para el magister en "Health Data Science."

**Superintendencia de Pensiones, Chile, Agosto 2011– Agosto 2014** *Analista* de la División de Investigación. Análisis estadístico y econométrico del seguro de desempleo, desarrollo de software, puente entre las divisiones de TI e Investigación.

**Nodos Chile Social Network Analysis Ltda., Chile, Enero 2012–Enero 2014** *Socio*. Socio fundador de una de las primeras consultoras de redes sociales en Chile.

**Universidad Adolfo Ibáñez, Chile, Enero 2011–Junio 2012**. Escuela de Gobierno *Profesor part-time*. Enseñé cursos de Introducción a la Economía, Microeconomía y Estadística computacional con Stata.

**Ministerio de Desarrollo Social, Chile, Marzo 2011–Diciembre 2011**. *Analista* Monitoreo de Programas Sociales. Levantamiento y Análisis de los programas sociales ofrecidos por el gobierno y soporte a la Iniciativa de Datos Abiertos de la división.

## Software (subset)

- [1] **George G. Vega Yon**. *rgexf: Build, Import and Export GEXF Graph Files* (2020). R package version 0.16.0. URL: <https://CRAN.R-project.org/package=rgexf>. downloads 539K
- [2] **George G. Vega Yon**, Thomas Valente. *netdiffuseR: Analysis of Diffusion and Contagion Processes on Networks* (2020). R package version 1.22.0. URL: <https://github.com/USCCANA/netdiffuseR>. downloads 20K

- [3] **George G. Vega Yon**, Kayla de la Haye. *ergmito: Exponential Random Graph Models for Small Networks* (2020). R package version 0.3-0. URL: <https://cran.r-project.org/package=ergmito>. downloads 5649
- [4] **George G. Vega Yon**. *slurmR: A Lightweight Wrapper for 'Slurm'* (2020). R package version 0.4-1. URL: <https://CRAN.R-project.org/package=slurmR>. downloads 4819
- [5] **George G. Vega Yon**. *fmcmc: A friendly MCMC framework* (2020). R package version 0.3-0. URL: <https://CRAN.R-project.org/package=fmcmc>. downloads 7301
- [6] **George G. Vega Yon**. *twitterreport: Out-of-the-box analysis and reporting tools for twitter* (2016). R package version 0.16. URL: <https://doi.org/10.5281/zenodo.44528>.

## Publicaciones Académicas (subset)

- [1] **George G. Vega Yon**, Duncan C. Thomas, John Morrison, et al. "On the automatic annotation of gene functions using observational data and phylogenetic trees". In: *bioRxiv* (May 2020). URL: <https://www.biorxiv.org/content/early/2020/05/14/2020.05.14.095687>.
- [2] **George G. Vega Yon**, Andrew Slaughter, and Kayla de la Haye. "Exponential random graph models for little networks". In: *Social Networks* (2020). URL: <https://doi.org/10.1016/j.socnet.2020.07.005>. **in press**.
- [3] **George G. Vega Yon** and Paul Marjoram. "fmcmc: A friendly MCMC framework". In: *Journal of Open Source Software* 4.39 (July 2019), p. 1427. URL: <http://joss.theoj.org/papers/10.21105/joss.01427>.
- [4] **George G. Vega Yon** and Brian Quistorff. "parallel: A command for parallel computing". In: *The Stata Journal: Promoting communications on statistics and Stata* 19.3 (Sept. 2019), pp. 667–684. URL: <http://journals.sagepub.com/doi/10.1177/1536867X19874242>.

## Información Adicional

**Tecnología** R, C++,  $\LaTeX$ , SQL, python, XML, regex, Stata, VBA, Gephi, Pajek, Mathematica, git, unix.

**Book reviewer:** "Microeconometrics and Matlab: An Introduction", by Adams, Clarke and Quinn, Oxford University Press, 2015. "Mastering Gephi Network Visualization", by Ken Cherven, Packt Publishing, 2015. "Network Graph Analysis and Visualization with Gephi", by Ken Cherven, Packt Publishing, 2013.

**Premios** Travel Grant, Society of Young Network Scientist, 2019; Fellowship, California Institute of Technology, 2014; Scholarship, Adolfo Ibáñez University, 2006.

**Journal reviewer** The Official Journal of The Society for Computational Economics, The R Journal, Social Networks, Journal of Mathematical Sociology, Journal of Open Source Software, SUNBELT Conference (2016), International Conference on Computational Social Science (2019).

**Comunidad** Fundador del [Grupo de Usuarios de R en Chile \(2013\)](#), co-organizador del [East LA R User Group \(LAERUG\)](#).